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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES*

JANUARY 1948

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CIRCULARS

Operation and management of milk plants. C. J. Babcock. Bureau of Dairy Industry. 58 p., illus. (C. 260, rev.) Price 15¢.

FARMERS' BULLETINS

Marketing eggs. Joseph Wm. Kinghorse. Production and Marketing Administration. 40 p., illus. (F 1378, rev.) Price 15¢.

Muscadine grapes. Charles Dearing. Bureau of Plant Industry, Soils, and Agricultural Engineering. 29 p., illus. (F. 1785, rev.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

The National Poultry Improvement Plan. Bureau of Animal Industry, in cooperation with poultry leaders, poultry breeders, and members of the breeder and commercial hatchery industry. 32 p., illus. (M. 300, rev.) Price 10¢.

The National Turkey Improvement Plan. Bureau of Animal Industry, in cooperation with representatives of the official State agencies, the National Turkey Federation, and turkey breeders and hatcheries. 28 p., illus. (M. 555, rev.) Price 10¢.

Butter as a source of vitamin A in the diet of the people of the United States. Bureau of Dairy Industry and Office of Experiment Stations, in cooperation with twenty-one Agricultural Experiment Stations. 47 p. (M. 636.) Price 15¢.

List of sires proved in dairy-herd-improvement associations, 1947. Bureau of Dairy Industry. 66 p. (M. 637.) Price 20¢.

Women's preferences among selected textile products. Bureau of Agricultural Economics. 124 p. (M. 641.) Price 25¢.

SERVICE AND REGULATORY MATERIAL

Further developments in cotton standardization and related activities. Production and Marketing Administration. 35 p. (SRA-PMA 165.)

Regulations for warehousemen storing grain, as amended. Production and Marketing Administration. 26 p. (SRA-PMA 127, revised.)

Service and regulatory announcements. Bureau of Animal Industry. November 1947, pp. 99-106, (SRA-BAI 487); December 1947, pp. 107-116, (SRA-BAI 488). Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

Service and regulatory announcements, January-December 1946. 118 p. (SRA-BEPQ 166); January-March 1947. 20 p. (SRA-BEPQ 167.) Bureau of Entomology and Plant Quarantine.

* Compiled by Eleanor W. Clay, Office of Information.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

TECHNICAL BULLETINS

Xseed in American farming. Weber H. Peterson. Bureau of Agricultural Economics. 62 p., illus. (T. 938.) Price 15¢.

Elation between urinary calculi and use of grain sorghum in steer-fattening rations in the southern Great Plains. W. H. Black, N. R. Ellis, J. M. Jones, and F. E. Keating. Bureau of Animal Industry, Texas Agricultural Experiment Station, and Bureau of Plant Industry, Soils, and Agricultural Engineering. 14 p., illus. (T. 945.) Price 5¢.

OTHER PUBLICATIONS

Annual report on tobacco statistics, 1947. Production and Marketing Administration. 112 p. (CS-25).

Rat control methods. Fish and Wildlife Service in cooperation with U. S. Department of Agriculture. [11] p., illus. (PA-41.)

Report of the Administrator of the Production and Marketing Administration, 1947. Jesse Gilmer. Price 20¢.

Report of the Administrator of the Rural Electrification Administration, 1947. Claude R. Wickard. Price 15¢. For sale only.¹

Report of the Chief of the Bureau of Agricultural and Industrial Chemistry, Agricultural Research Administration, 1947. Louis B. Howard. Price 15¢. For sale only.¹

Report of the Chief of the Bureau of Animal Industry, Agricultural Research Administration, 1947. B. T. Simms. Price 20¢.

Report of the Chief of the Office of Plant and Operations, 1947. Arthur B. Thatcher. Price 5¢.

Report of the Chief of the Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, 1947. Robert M. Salter. Price 20¢. For sale only.¹

Report of the Chief of the Soil Conservation Service, 1947. H. H. Bennett. Price 15¢.

Report of Cooperative Extension Work in Agriculture and Home Economics, 1947. M. L. Wilson. Price 5¢. For sale only.¹

Report of the Director of Finance, 1947. W. A. Jump. Price 15¢.

Report of the Librarian, 1947. Ralph R. Shaw. Price 5¢. For sale only.¹

Report of the President of the Commodity Credit Corporation, 1947. Jesse B. Gilmer. Price 5¢.

Report of the Secretary of Agriculture, 1947. Clinton P. Anderson. Price 30¢.

Report of the Solicitor to the Secretary of Agriculture, 1947. W. Carroll Hunter. Price 10¢. For sale only.¹

School lunch recipes using potatoes. Bureau of Human Nutrition and Home Economics and Production and Marketing Administration. 17 p. (PA-36.)

PERIODICALS

Agricultural situation. Vol. 31, No. 12. December 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 6, No. 11. November 1947. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

Bibliography of Agriculture. Vol. 11, No. 6, December 1947; Vol. 12, No. 1, January 1948. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Fire control notes. Vol. 9, No. 1. January 1948. Price 15¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Foreign agriculture. Vol. XII, No. 1. January 1948. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

Separates, 5¢ domestic; 8¢ foreign.¹ The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

—Vol. 76, No. 1. January 1, 1948. Illus. Contents:

Apple-tree response to nitrogen applied at different seasons (Key No. G-1384). J. R. Magness, L. P. Batjer, and L. O. Regeimbal.

Inheritance of resistance to bacterial wilt in tobacco (Key No. G-1388). T. E. Smith and E. E. Clayton.

—Vol. 76, No. 2. January 15, 1948. Illus. Contents:

The Prescott scale (*Matsucoccus vexillorum*) and associated organisms that cause flagging injury to ponderosa pine in the Southwest (Key No. K-341). Howard L. McKenzie, L. S. Gill, and Don E. Ellis.

Inheritance of weight per unit length of culm and other characters in Kanred X Coppei wheat (Key No. G-1389). I. M. Atkins.

Soil conservation. Vol. XIII, No. 6. January 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

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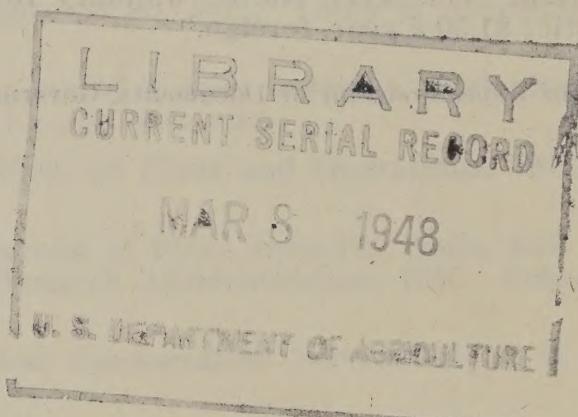
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WHAT IS A FARM WORTH? 16 mm., color, sound. Running time, 12 minutes.

The principles of appraisal demonstrated by the film apply on almost any type of farm. (Available from the Federal Land Banks in St. Louis, Mo.; Baltimore, Md.; Louisville, Ky.; Columbia, Mo.; and St. Paul, Minn., and by purchase only. No prints in libraries.)



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BULLETIN OF THE MONTH

"A Consumers' Guide To U. S. Standards for Farm Products" Miscellaneous Publication 553

This revision is a useful guide to homemakers in buying food. It is divided into two fairly well-defined groups; those standards that can be readily used by the individual homemaker under certain conditions, because of the device or stamp, certificate, or other visual indication of grade and those standards that are marked on some goods in wholesale markets and can be used as guides by such consumers as managers of restaurants and cafeterias and purchasing agents for institutions, who buy in quantity on those markets.

CIRCULARS

Grain sorghum storage. C. K. Shedd and H. H. Walkden. Bureau of Plant Industry, Soils, and Agricultural Engineering and Bureau of Entomology and Plant Quarantine. 48 p., illus. (C 760.) Price 15¢.

The authors report the results of a study of the storage of threshed grain sorghum in farm-type structures.

Distribution of the varieties and classes of wheat in the United States in 1944.

J. Allen Clark and K. S. Quisenberry. Bureau of Plant Industry, Soils, and Agricultural Engineering. 80 p., illus. (C 761.) Price 20¢.

Wheat varieties grown in the United States are continually changing because of the development and distribution of improved strains by State and Federal agricultural experiment stations and by private breeders. Varietal surveys furnish a historical record of this shifting of varieties and they form a basis for further wheat improvement.

Ozone in relation to storage of apples. H. A. Schomer and L. P. McColloch. Bureau of Plant Industry, Soils, and Agricultural Engineering. 24 p., illus. (C 765.) Price 10¢.

The evaluation of ozone in apple storage, the effect of ozone on the development of fruit decay and on the quality of fruit is given.

The Dixired, Dixigem, and Southland peaches. John H. Weinberger. Bureau of Plant Industry, Soils, and Agricultural Engineering. 7 p., illus. (C 766.) Price 10¢.

Three new peach varieties—Dixired, Dixigem, and Southland—are described in this circular.

* Compiled by Eleanor W. Clay, Office of Information.

Cottonseed handling with small air pipes. Charles A. Bennett and Gerald N. Franks. Bureau of Plant Industry, Soils, and Agricultural Engineering. 8 p., illus. (C 768.) Price 5¢.

Cotton ginners, seedsmen, and farmers who seek an economical method for handling seeds, granular bulk materials, and various kinds of trash will find useful the small-pipe seed-handling system adapted to agricultural needs at the United States Cotton Ginning Laboratory, Stoneville, Miss.

FARMERS' BULLETINS

Storage of sweetpotatoes. J. M. Lutz and J. W. Simons, Bureau of Plant Industry, Soils, and Agricultural Engineering. 50 p., illus. (F 1442, rev.) Price 15¢.

Requirements for proper sweetpotato storage, curing, and construction of storage houses are given in this revision.

Winter legumes for green manure in the Cotton Belt. Roland McKee and A. D. McNair. Bureau of Plant Industry, Soils, and Agricultural Engineering and Bureau of Agricultural Economics. 22 p., illus. (F 1663, rev.) Price 10¢.

This revised bulletin describes the culture of winter legumes, namely vetches, clovers, peas, lupines and others for the purpose of soil improvement in the Cotton Belt.

Diseases of strawberries. J. B. Demaree. Bureau of Plant Industry, Soils, and Agricultural Engineering. 28 p., illus. (F 1891, rev.) Price 15¢.

The most important strawberry diseases are described and illustrated in this revision.

LEAFLETS

White clover. E. A. Hollowell. Bureau of Plant Industry, Soils, and Agricultural Engineering. 8 p., illus. (L 119, rev.) Price 10¢.

This revised leaflet discusses common white clover, a widely distributed but often unappreciated plant of pastures, lawns, roadsides, and thin woodlands.

Production of spinach. J. H. Beattie and W. R. Beattie. Bureau of Plant Industry, Soils, and Agricultural Engineering. 8 p. (L 128, rev.) Price 5¢.

This revised leaflet discusses varieties, culture, harvesting and handling.

MISCELLANEOUS PUBLICATIONS

A consumers' guide to U. S. Standards for farm products. Catherine M. Viehmann. Production and Marketing Administration. 21 p., illus. (M 553, rev.) Price, 15¢. See page 1.

Vitamin and mineral content of certain foods as affected by home preparation. Elizabeth M. Hewston, Elsie H. Dawson, Lucy M. Alexander, and Elsa Orent-Keiles. Bureau of Human Nutrition and Home Economics. 76 p., illus. (M 628.) Price 30¢. For sale only.¹

The title is self-explanatory.

Progress of farm mechanization. Martin R. Cooper, Glen T. Barton, and Albert P. Brodell. Bureau of Agricultural Economics. 101 p., illus. (M 630.) Price 20¢.

This publication keynotes the place of farm mechanization and analyzes the influences of mechanization on farm employment, on efficiencies in production, and on production costs and returns of agriculture.

The flies that cause myiasis in man. Maurice T. James. Bureau of Entomology and Plant Quarantine. 175 p., illus. (M 631.) Price 35¢. For sale only.¹

This publication summarizes pertinent information concerning the myiasis-producing flies of the world insofar as they affect the human host, and presents guides for their identification.

SERVICE AND REGULATORY MATERIAL

Index to service and regulatory announcements, January-December 1947. Bureau of Animal Industry.

Official United States standards for grades of carcass beef. Reprinted with amendments December 1947. 7 p. (SRA-PMA 99.) This announcement was issued originally as Service and Regulatory Announcement 99 of the Bureau of Agricultural Economics.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Service and regulatory announcements. Bureau of Animal Industry. Pp. 1-8.
(SRA-BAI 489.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

Service and regulatory announcements, April-June 1947. Bureau of Entomology and Plant Quarantine. Pp. 21-57. (SRA-BEPQ 168.)

TECHNICAL BULLETINS

Oil crops in American farming. Peter L. Hansen and Ronald L. Mighell. Bureau of Agricultural Economics. 55 p., illus. (T 940.) Price 10¢.

The purpose of this report is to make a brief general appraisal of the position of oil crops for the period ahead. Market-outlet possibilities, domestic-production prospects, and world production and trade are considered.

Nutritional qualities of range forage plants in relation to grazing with beef cattle on the Southern Plains Experimental Range. D. A. Savage and V. G. Heller. Bureau of Plant Industry, Soils, and Agricultural Engineering, and Oklahoma Agricultural Experiment Station. 61 p., illus. (T 943.) Price 15¢. The title is self-explanatory.

Selenium occurrence in certain soils in the United States, with a discussion in related topics: Seventh report. Hubert W. Lakin and Horace G. Byers. Bureau of Plant Industry, Soils, and Agricultural Engineering. 36 p., illus. (T 950.) Price 15¢.

This report presents the results of a survey of selenium occurrence in North Dakota and of a reconnaissance examination of parts of Oregon, Idaho, Nevada, and Utah, where the absorption of the element by plants fed on by livestock has caused selenium poisoning.

OTHER PUBLICATIONS

Review of literature on cinchona diseases, injuries, and fungi. Frances F. Lombard. Bureau of Plant Industry, Soils, and Agricultural Engineering. 70 p. (B 9.) Price 20¢.

This publication has been prepared in an effort to bring together the world literature on the diseases of cinchona, the natural source of quinine.

PERIODICALS

The agricultural situation. Vol. 32, No. 1. January 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Bibliography of agriculture. Vol. 12, No. 2. February 1948. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.¹

Extension service review. Vol. 19, Nos. 2 and 3. February-March 1948. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

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— Vol. 76, Nos. 3 and 4. February 1 and 15, 1948. Contents:

Digestible nutrients and metabolizable energy in Russian-thistle hays and silages (Key No. N. Dak.-22). F. W. Christensen, T. H. Hopper and O. A. Stevens.

Recovery and viability of seeds of certain southern grasses and lespedeza passed through the bovine digestive tract (Key No. G-1383). Glenn W. Burton and John S. Andrews.

News for farmer cooperatives. Vol. 14, No. 11. February 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 13, Nos. 7 and 8. February-March 1948. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.¹

Soil conservation. Vol. XIII, No. 7. February 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

BLISTER RUST—ENEMY OF PINES. 2 reels, 16 mm., sound, in color; released, 1948. Running time 18 minutes.

This movie depicts the story of the fight to save the white pines of America from destruction by the white pine blister rust, a fungus disease which entered this country from Europe at the beginning of the century. Shows the many and varied uses of pines, life cycle of the disease by graphic presentation, and effective control measures now being taken to stop its spread. (*Not in film libraries. Available for purchase only.*)

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BULLETIN OF THE MONTH

"Common Diseases of Important Shade Trees" Farmers' Bulletin 1987

Chief characteristics and control measures of common types as well as specific diseases of shade trees are described in this new bulletin.

AGRICULTURAL INFORMATION SERIES

Know your watersheds. Forest Service. 13 p., illus. (IS 67.) Price 5¢.

A watershed is an area of land from which a stream gets its supply of water. This booklet gives some facts about water. It tells what we must guard against, and what we can do to assure safe and dependable water supplies.

CIRCULARS

Falling of wheat culms due to lodging, buckling, and breaking. Hurley Fellows. Bureau of Plant Industry, Soils, and Agricultural Engineering. 16 p., illus. (C 767.) Price 5¢.

The losses each year from the falling of wheat and other small grains as the result of lodging, buckling, and breaking of wheat culms are considerable, and in some years and in some areas they are of critical importance. The purpose of this circular is to describe the various symptoms and conditions in wheat, as learned through scientific research, to aid in recognizing the causes.

Spacing distances for windbreak trees on the Northern Great Plains. Ernest J. George. Bureau of Plant Industry, Soils, and Agricultural Engineering. 28 p., illus. (C 770.) Price 10¢.

This circular discusses the growth and survival of trees spaced at various distances.

Ammonium nitrate for crop production. Colin W. Whittaker, Bailey E. Brown and J. Richard Adams. Bureau of Plant Industry, Soils, and Agricultural Engineering. 28 p., illus. (C 771.) Price 10¢.

The purpose of this circular is to acquaint agricultural workers and the interested public with facts on the production, properties, and uses of this new nitrogen fertilizer.

Seeding as a means of reforestation in the Northern Rocky Mountain Region. C. S. Schopmeyer and A. E. Helmers. Forest Service. 31 p., illus. (C 772.) Price 10¢.

Experiments with direct seeding in order to speed up the rate of reforestation are described in this paper.

FARMERS' BULLETINS

Growing cherries east of the Rocky Mountains. Leon Havis. Bureau of Plant Industry, Soils, and Agricultural Engineering. 30 p., illus. (F 776, rev.) Price 10¢.

This revised bulletin outlines general directions for cherry growing which should be of most value to those who have had only limited experience with this crop. The suggestions made are intended only as a guide, since specific conditions call for more specific recommendations than can be given in a general bulletin.

Potato diseases and their control. T. P. Dykstra. Bureau of Plant Industry, Soils, and Agricultural Engineering. 53 p., illus. (F 1881, rev.) Price 15¢.

This revised bulletin contains descriptions of diseases with which growers of potato table stock are concerned and gives the measures recommended for their control.

*Compiled by Eleanor W. Clay, Office of Information.

Potato production in the Northeastern and North Central States. P. M. Lombard, B. E. Brown and T. P. Dykstra. Bureau of Plant Industry, Soils, and Agricultural Engineering. 70 p., illus. (F 1958, rev.) Price 20¢.

This revised bulletin discusses various factors affecting potato production, including the soil and its preparation; planting operations and subsequent cultural care of the crop.

Common diseases of important shade trees. Rush P. Marshall and Alma M. Waterman. Bureau of Plant Industry, Soils, and Agricultural Engineering. 53 p., illus. (F 1987.) Price 15¢. See page 1.

Tree planting in the Central, Piedmont, and Southern Appalachian Regions. Leon S. Minckler and Arthur G. Chapman. Forest Service. 39 p., illus. (F 1994.) Price 15¢.

The purpose of this bulletin is to help you learn what lands should be planted to trees, what trees to plant, how to plant them, and how to care for your tree crops.

MISCELLANEOUS PUBLICATIONS

Handbook on insect enemies of flowers and shrubs. C. A. Weigel and L. G. Baumhofer. Bureau of Entomology and Plant Quarantine. 115 p., illus. This publication supersedes F 1495, Insect enemies of the flower garden. (M 626.) Price 35¢. For sale only.¹

This information should enable the gardener to recognize the common insect and related pests he may encounter in the flower garden and to apply the proper remedies.

Educational exhibits, how to prepare and use them. H. W. Gilbertson. Extension Service. 41 p., illus. This publication is a revision of DC 385, How to prepare and display extension exhibits, and supersedes it. (M 634.) Price 25¢. For sale only.¹

The primary purpose of this manual is to guide those who, with limited funds, are faced with the problem of preparing simple, effective educational exhibits. The manual also contains many suggestions for preparing charts, maps, and other visual aids, which can be used effectively at educational meetings as well as in exhibits.

The North American species of whiteflies of the genus *Trialeurodes*. Louise M. Russell. Bureau of Entomology and Plant Quarantine. 85 p., illus. (M 635.) Price 25¢. For sale only.¹

In this region this genus is of particular interest because of its wide distribution, the number and diversity of its food plants, and the injuriousness of certain species.

Your farmhouse—Planning the bathroom. Bureau of Human Nutrition and Home Economics and Bureau of Plant Industry, Soils, and Agricultural Engineering. 16 p., illus. (M 638.) Price 10¢. For sale only.¹

This new publication will serve as a helpful guide whether you are planning a new bathroom in an old house or building everything new.

Watershed management for summer flood control in Utah. Reed W. Bailey, George W. Craddock, and A. R. Croft. Forest Service. 24 p., illus. (M 639.) Price 10¢.

This publication briefly reports the evidence of the way in which destructive mud-rock flows were caused in parts of Davis County, Utah. It also describes the watershed management practices and improvement measures by which these floods were controlled. Communities in Utah and elsewhere where floods are possible can profitably study these examples of effective watershed restoration and watershed management.

The balance sheet of agriculture, 1947. Bureau of Agricultural Economics. 74 p., illus. (M 642.) Price 15¢.

This is the third of a series of annual reports which are designed to carry forward the comparative balance sheet of agriculture.

Directory of U. S. Register of merits sires and dams qualifying under the National Poultry Improvement Plan, 1945-1946. Bureau of Animal Industry. 91 p. (M 644.) Price 30¢. For sale only.¹

This directory is published to give official recognition to the sires and dams that reached the highest breeding stage of the National Poultry Improvement Plan during the 1945-46 trap-nest record year.

A step-saving U kitchen. Bureau of Human Nutrition and Home Economics. 12 p., illus. (M 646.) Price 10¢. For sale only.¹

Designs and suggestions for a convenient farm kitchen are presented.

SERVICE AND REGULATORY MATERIAL

List of intercepted plant pests, 1946. Bureau of Entomology and Plant Quarantine. 54 p.

Service and regulatory announcements. Bureau of Animal Industry. Pp. 9-19. (SRA-BAI 490.) Price 5¢ a copy, 25¢ a year, domestic, 45¢ a year foreign.¹

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TECHNICAL BULLETINS

Effect of gypsum, organic matter, and drying on infiltration of a sodium water into a fine sandy loam. Bureau of Plant Industry, Soils, and Agricultural Engineering. 36 p., illus. (T 937.) Price 10¢.

The field and laboratory results of an experimental planting of a date palm garden at the Torres-Martinez Indian Reservation in California are here summarized.

Cultural practices as related to incidence of cotton root rot in Texas. Bureau of Plant Industry, Soils, and Agricultural Engineering and Texas Agricultural Experiment Station. 42 p. illus. (T 948.) Price 15¢.

Results of experiments on the relation of cultural practices to the occurrence of this cotton disease are summarized. Cotton root rot is the most destructive disease of cotton in the southwestern United States.

Physiologic specialization in the oat smut fungi and its relation to breeding oats for smut resistance. C. S. Holton and H. A. Rodenhiser. Bureau of Plant Industry, Soils and Agricultural Engineering. 16 p. (T 952.) Price 5¢.

A knowledge of the prevalence and distribution of oat smut races is an important consideration in the development and introduction of new oat varieties. This bulletin presents the results of experiments begun in 1936 for the purpose of systematizing the identification of oat smut races.

OTHER PUBLICATIONS

Compilation of Agricultural Marketing Agreement Act of 1937. Production and Marketing Administration. 24 p.

Cotton quality statistics United States, 1946-47. Production and Marketing Administration. 62 p. (CS 26.)

Report of the Administrator of Agricultural Research, 1947. W. V. Lambert. Price 60¢. For sale only.¹

PERIODICALS

Agriculture decisions. Vol. 6, No. 12, December 1947; Vol. 7, No. 1, January 1948. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

The agricultural situation. Vol. 32, No. 2. February 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Bibliography of agriculture. Vol. 12, No. 3, March 1948. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.¹

Foreign agriculture. Vol. XII, No. 3, March 1948. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.¹

Index to Experiment Station Record Volume 95. July-December 1946. Price 25¢.

This publication of the Experiment Station Record is discontinued indefinitely with the issuance of this Index number of Volume 95.

¹ See footnote 1, page 2.

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Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ Not distributed free to individuals.

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— Vol. 76, Nos. 5 and 6. March 1 and 15, 1948. Illus. Contents:

Yield, composition, and other latex characteristics of *Cryptostegia grandiflora* (G-1390). W. S. Stewart, J. Bonner, and R. W. Hummer.

Susceptibility of guayule to verticillium wilt and influence of soil temperature and moisture on development of infection (G-1391). Henry Schneider.

Sucrose, dextrose, and levulose content of some domestic varieties of sorgo at different stages of maturity (E-102). Emil K. Ventre, S. Byall and J. L. Catlett.

Soil conservation. Vol. XIII, No. 8. March 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

THEN IT HAPPENED. 16 mm., color, sound. Running time, 10 minutes. Released, 1948.

A dramatic documentary of the destruction of Maine's beautiful and valuable forests. There are breath-taking views of the raging fires that claimed human lives, destroyed farms and villages, as well as famed summer resorts in the vicinity of Bar Harbor. The need for forest fire prevention and adequate forest fire-fighting measures everywhere is tragically portrayed. (Available from some film libraries, U. S. Forest Service regional offices in Missoula, Mont.; Denver, Colo.; Albuquerque, N. Mex.; Ogden, Utah; San Francisco, Calif.; Portland, Oreg.; Philadelphia, Pa.; Atlanta, Ga.; Milwaukee, Wis.; State Foresters in the state capitals, and by purchase.)

IT'S NO PICNIC. 16 mm., color, sound. Running time, 30 minutes. Released, 1948.

A family group enjoys a Sunday afternoon in the woods. A beautiful spot is chosen for their picnic lunch—with campfire and hot dogs, the things children delight in. The campfire is carefully extinguished, but—Dad, unwittingly, is careless with his pipe and the beautiful woods becomes a blackened waste. The "day of rest" becomes a day of toil and desolation. Dad is sentenced to a course in FIRE PREVENTION and is an apt and willing pupil. (Available from U. S. Forest Service, Philadelphia, Pa.; State Foresters in the Eastern states, and by purchase. No prints in libraries.)

¹ See footnote 1, page 2.

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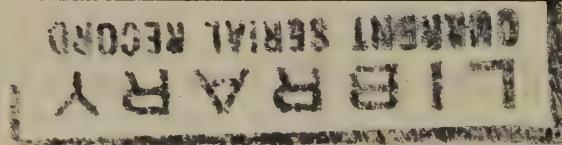
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MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES*

APRIL 1948

INSTRUCTIONS: Not more than five publications will be sent free. Technical publications and those marked "Restricted" are furnished only to applicants whose activities justify such action. Foreign correspondents as well as persons not qualified for technical material should address requests, together with their remittances to: Superintendent of Documents, Government Printing Office, Washington 25, D. C. Foreign correspondents should also add one-third of the cost of publications to defray postage charges.

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If you have changed your address show your old address as well as the new one when you request that our records be changed.

BULLETIN OF THE MONTH

"Money-Saving Main Dishes" Agricultural Information Series 69

It is in the interest of every homemaker, dietitian, and nutritionist to keep down food costs by thrifty buying and wise use of economical foods. This booklet suggests about 150 main dishes that nourish and satisfy and enable homemakers to save money.

AGRICULTURAL INFORMATION SERIES

Peanut and peanut butter recipes. Bureau of Human Nutrition and Home Economics. [16] p. (IS 68.)

Recipes using peanuts and peanut butter and directions for roasting, salting, and storing peanuts are given in this new folder.

Money-saving main dishes. Office for Food and Feed Conservation with the cooperation of the Bureau of Human Nutrition and Home Economics. 48 p., illus. (IS 69.) See above.

CIRCULARS

Production of disease-free seed potatoes. T. P. Dykstra. Bureau of Plant Industry, Soils, and Agricultural Engineering. 64 p., illus. (C 764.) Price 20¢. Free distribution restricted.

This circular, which is prepared exclusively for the use of seed-potato growers, covers the information on the production of disease-free seed stock.

New muscadine grapes. Charles Dearing. Bureau of Plant Industry, Soils, and Agricultural Engineering. 28 p., illus. (C 769.) Price 10¢.

The purpose of this circular is to introduce and recommend 15 new varieties of muscadine grapes for planting in home collections and for commercial purposes in the Southern States.

The farm real estate situation, 1946-47. A. R. Johnson. Bureau of Agricultural Economics. 38 p., illus. (C 780.) Price 10¢.

This circular shows the farm real estate situation for farm land, together with buildings and other permanent improvements. It covers the 12-month period ending about March 1, 1947.

Brucellosis of swine. A. B. Crawford and C. A. Manthei. Bureau of Animal Industry. 12 p. (C 781.) Price 5¢.

Brucellosis of swine is a chronic infectious disease. This publication gives the symptoms, treatment, prevention and control measures.

*Compiled by Eleanor W. Clay, Office of Information.

FARMERS' BULLETINS

Strawberry varieties in the United States. George M. Darrow and George F. Waldo. Bureau of Plant Industry, Soils, and Agricultural Engineering. 30 p., illus. (F 1043, rev.) Price 10¢.

This revised bulletin is intended as an aid to both commercial and amateur strawberry growers in the selection of varieties best suited to their needs and conditions.

The Mexican bean beetle in the East and its control. Neale F. Howard, Loyd W. Brannon and Horatio C. Mason. Bureau of Entomology and Plant Quarantine. 18 p., illus. (F 1624, rev.) Price 10¢.

The Mexican bean beetle in its range of distribution is the most serious insect enemy of beans in the United States. Control measures are given in this revision.

Popcorn. Arthur M. Brunson and Glenn M. Smith. Bureau of Plant Industry, Soils, and Agricultural Engineering. 18 p., illus. (F 1679, rev.) Price 10¢.

The commercial production of popcorn is discussed in this revision.

Tomato diseases. S. P. Doolittle. Bureau of Plant Industry, Soils, and Agricultural Engineering. 82 p. illus. (F 1934, rev.) Price 25¢.

This revised bulletin describes the diseases that commonly affect tomatoes and the methods known for reducing the losses they cause.

Decay and termite damage in houses. Bureau of Plant Industry, Soils, and Agricultural Engineering and Bureau of Entomology and Plant Quarantine. [21] p., illus. (F 1993.) Price 10¢.

The safeguards detailed in this bulletin give methods for preventing and correcting decay and termite hazards.

MISCELLANEOUS PUBLICATIONS

A fruit and vegetable buying guide for consumers. Production and Marketing Administration. [62] p. (M 167, rev.) Price 15¢.

This revised publication is an aid to the consumer in selection of foodstuffs. It gives pointers in regard to quality, grade and prices.

Your farmhouse . . . insulation and weatherproofing. Bureau of Plant Industry, Soils, and Agricultural Engineering. 16 p., illus. (M 633.) Price 10¢.
*For sale only.*¹

This bulletin illustrates how to reduce heat loss in your home by weatherproofing, the use of storm sash and doors, weatherstripping, calking and by insulating.

SERVICE AND REGULATORY MATERIAL

Service and regulatory announcements. Bureau of Animal Industry. Pp. 21-28. (SRA-BAI 491.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

TECHNICAL BULLETINS

Taxonomic value of characters in cultivated barley. Ewert Aberg and G. A. Wiebe. Bureau of Plant Industry, Soils, and Agricultural Engineering. 88 p., illus. (T 942.) Price 25¢.

The investigation here reported was undertaken in connection with a program of classification of cultivated barleys in the United States and Canada.

Vegetative characteristics of some wild forms of saccharum and related grasses. Ernst Artschwager. Bureau of Plant Industry, Soils, and Agricultural Engineering. 69 p., illus. (T 951.) Price 20¢.

The results of a study of the properties and growth habits of wild sugarcane is presented.

Dormancy and the effect of storage on oats, barley, and sorghum. Edgar Brown, T. R. Stanton, G. A. Wiebe and John H. Martin. Bureau of Plant Industry, Soils, and Agricultural Engineering. 30 p., illus. (T 953.) Price 10¢.

The studies here reported were carried on with numerous varieties of oats, barley, and sorghum to test their dormancy reaction and to determine the effect of storage conditions on afterripening.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

OTHER PUBLICATIONS

Making LIGHT work for you. Rural Electrification Administration. 14 pp., illus.

This pamphlet tells the story of effective farm and home lighting—what it is, how it can be obtained, and what it can do to make your farming and living more efficient, safer, and more comfortable.

Popular publications for the farmer and homemaker. Eleanor W. Clay. Office of Information. 31 p. (Lt 5, rev.)

Report on the Agricultural Experiment Stations, 1947, Office of Experiment Stations. 126 p. Price 25¢.¹ For sale only.

PERIODICALS

Agricultural situation. Vol. 32, Nos. 3-4. March-April 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 7, No. 2. February 1948. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

Bibliograph of agriculture. Vol. 12, No. 4. April 1948. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.¹

Extension service review. Vol. 19, Nos. 4 and 5. April-May 1948. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Foreign agriculture. Vol. XII, No. 4. April 1948. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.¹

Journal of agricultural research. Price, \$2.25 a year, domestic; \$3.00 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

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— Vol. 76, Nos. 7 and 8. April 1 and 15, 1948. Illus. Contents:

Reproduction and mortality of California red scales resistant and nonresistant to hydrocyanic acid gas, as affected by temperature (K-343). Francis Munger.

The production of alate forms of *Myzus persicae* on *Brassica campestris* in the greenhouse (K-345). W. A. Shands and G. W. Simpson.

The association of *Hylurgopinus rufipes* with the Dutch elm disease pathogen (N. Y. (Cornell) 59). K. G. Parker, Lyle E. Hagmann, Donald L. Collins, L. J. Tyler, Henry Dietrich, and W. E. Ozard.

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News for farmer cooperatives. Vol. 15, No. 1. April 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 13, Nos. 9 and 10. April-May 1948. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.¹

Soil conservation. Vol. XIII, No. 9. April 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

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OUR WHITE PINE HERITAGE. 2 reels, 16 mm., sound, in color, released 1948. Running time, 12 minutes.

This is the story of the white pines of the Northeastern states, their role in the three-century history of this area, their importance to present day life, their preservation holding the fate of the people, and the threat to their existence by the white pine blister rust. Eradication of this fungus disease is well underway with the destruction within white pine areas of currant and gooseberry bushes, which harbor and transmit the disease. A beautiful narrative of New England, New Jersey and Pennsylvania.

(Not in film libraries. Available by purchase only.)

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MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES*

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BULLETIN OF THE MONTH

"Disk Plows and Their Operation"

Farmers' Bulletin 1992

Changes in design, in line with improved soil-management practices, have enabled farmers to use disk plows increasingly. This bulletin should enable farmers to get the most out of standard and vertical disk plows.

AGRICULTURAL INFORMATION SERIES

Saving beans from watery soft rot. W. D. Moore and W. J. Zaumeyer. Bureau of Plant Industry, Soils, and Agricultural Engineering. [6] p. (IS 70.)

Watery soft rot, or white mold, has recently become important as a disease of beans in several parts of the United States. Description of this fungus disease and recommendations that will reduce the losses to all types of beans are outlined.

CIRCULARS

Local climate in the Copper Basin of Tennessee as modified by the removal of vegetation. C. R. Hersh. Forest Service. 38 p., illus. (C 774.) Price 10¢.

With the Copper Basin as a laboratory, the present study was undertaken to obtain additional basic data contributing to our knowledge of how vegetation changes affect local climate.

FARMERS' BULLETINS

Preparation of cabbage for market. Raymond L. Spangler. Production and Marketing Administration. 20 p., illus. (F 1423, rev.) Price 10¢.

Market types, containers, methods of shipping and handling cabbage as a truck crop and for sauerkraut manufacture are given in this revision.

Dresses and aprons for work in the home. Clarice L. Scott and Elizabeth Bruzgulis. Bureau of Human Nutrition and Home Economics. [16] p., illus. (F 1963, rev.) Price 5¢.

This revised publication gives designs for dresses and aprons that are comfortable, durable and attractive.

Disk plows and their operation. I. F. Reed. Bureau of Plant Industry, Soils, and Agricultural Engineering. 10 p., illus. (F. 1992.) Price 5¢. See above.

* Compiled by Eleanor W. Clay, Office of Information.

Growing erect and trailing blackberries. George M. Darrow and George F. Waldo. Bureau of Plant Industry, Soils, and Agricultural Engineering. Supersedes F 998, 1399 and 1403. 34 p., illus. (F 1995.) Price 10¢.

Descriptions of the leading erect and trailing varieties are given in this bulletin, along with directions for their propagation, cultivation, fertilization, training and pruning.

Growing dry beans in the Western States. O. L. Mimms and W. J. Zaumeyer. Bureau of Agricultural Economics and Bureau of Plant Industry, Soils, and Agricultural Engineering. Supersedes F 1509. 42 p., illus. (F 1996.) Price 15¢.

This bulletin describes briefly the usual farming practices, the seeding rates, varieties of beans, and harvesting methods, as they are found in the major bean-producing areas of the West. It describes common insect pests and diseases briefly, so they may be identified, and gives recommendations for controlling them.

Selecting dairy cattle on the basis of type and production records. W. W. Swett. Bureau of Dairy Industry. Supersedes M 409. 28 p., illus. (F 1998.) Price 10¢.

In this publication, a plan is outlined for judging cows on the basis of combined ratings for type and production performance; for judging sires on the basis of the type-and-production rating of their respective daughter groups; for judging cows by groups; and for conducting dairy-cattle judging contests in which the combined-rating system is used.

MISCELLANEOUS PUBLICATIONS

The manufacture of low-acid rennet-type cottage cheese. H. R. Lochry. Bureau of Dairy Industry. 14 p., illus. (M 119, rev.) Price 10¢.

This revision includes the method of preparation and marketing this mildly acid, large-grained product commonly known as low-acid rennet cottage cheese, or popcorn cheese, or sweet curd cottage cheese.

Directory of organization and field activities of the Department of Agriculture: 1947. Lorraine Keller. Office of Personnel. Supersedes M 431. 298 p. (M 640.) Price 50¢. **For sale only.**¹

This directory shows the organization structure of the Department of Agriculture; the activities of its bureaus and offices are explained briefly; and the locations of those activities both inside and outside the continental United States. Only supervisory personnel are listed at each location except for research workers for whom the list is more complete.

SERVICE AND REGULATORY MATERIAL

Rules and regulations of the Secretary of Agriculture governing the grading and certification of meats, prepared meats, and meat products. 8 p. Production and Marketing Administration. (SRA-PMA 98, rev.).

Service and regulatory announcements. April 1948. Bureau of Animal Industry. Pp. 29-37. (SRA-BAI 492.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

TECHNICAL BULLETINS

Structure, determined by X-ray, and strength of cotton fiber. Earl E. Berkley, Orville C. Woodyard, H. D. Barker, Thomas Kerr, and C. J. King. Bureau of Plant Industry, Soils, and Agricultural Engineering. 64 p., illus. (T 949.) Price 20¢.

The position of American cotton on the domestic and foreign markets depends among other factors on its quality, the maintenance or improvement of which requires rapid and accurate methods of measuring its properties. The development of the X-ray measurement as a valuable tool on cotton-breeding and general fiber research are summarized.

Some principles of visibility and their application to forest fire detection. George M. Byram and George M. Jemison. Forest Service. 61 p., illus. (T. 954.) Price 15¢.

Damages caused by forest fires and the costs of suppressing them can be held to a minimum by quick action that extinguishes them before they become large. Early detection of smoke is a first requisite of satisfactory fire control. Devices and principles useful in planning look-out systems are discussed.

Bacterial blight of cotton under conditions of artificial inoculation. Richard Weindling. Bureau of Plant Industry, Soils, and Agricultural Engineering. 59 p., illus. (T 956.) Price 20¢.

Bacterial blight is capable of affecting all above-ground organs of the cotton plant. The work reported here was concerned in part with developing suitable methods of artificial inoculation and of grading varieties with respect to relative resistance.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

OTHER PUBLICATIONS

Dairy and poultry market statistics, 1946. Production and Marketing Administration. 72 p. (CS 23.)

This is an annual summary of market statistics on dairy products, poultry and poultry products.

Loans for water in the west. Farmers Home Administration. 7 p. (PA 43.)

This folder outlines the long-term, low interest loans, family-type farmers in 17 Western States may obtain to install or repair water facilities on their farms.

School lunch recipes using nonfat dry milk. Bureau of Human Nutrition and Home Economics in cooperation with Production and Marketing Administration. 16 p. (PA 44).

When the fat and water are removed from milk, the product that results is known as "nonfat dry milk." Directions for using it in main dishes and dry mixes for quantity recipes are given.

Stumpage and log prices for the calendar year 1945. Henry B. Steer. Forest Service. 52 p., illus. (SB 82.) Price 20¢.

This bulletin presents data on prices paid for privately owned standing timber and logs during 1945. Prices are shown by species and by regions.

PERIODICALS

The agricultural situation. Vol. 32, No. 5. May 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 7, No. 3. March 1948. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

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— Vol. 76; Nos. 9 and 10. May 1 and 15, 1948. Illus. Contents:

A study of meiosis in the microsporocytes of interspecific hybrids of *Solanum demissum* x *Solanum tuberosum* carried through four backcrosses (Key No. N. Y. (Cornell) 60). Leona O. Schnell.

Composition of shark meal (Key No. Fla.-24). Sidney P. Marshall and George K. Davis. Transfer of the mosaic-resistance factor between H chromosomes of *Nicotiana glutinosa* and *N. tabacum* (Key No. Calif.-141). D. U. Gerstel.

News for farmer cooperatives. Vol. 15, No. 2. May 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Soil conservation. Vol. XIII, No. 10. May 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

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PAUL BUNYAN HAD A SON.—2 reels, 16 mm., sound, in color, released 1948.

Running time, 13 minutes.

A story of white pine blister rust in the Lake States. Paul Bunyan, the legendary giant of the lumbering country, cut down the great pine forests of the Lake States, according to folklore. The film tells of a new Bunyan, Paul's son John, who is the symbol of conservation. Under John's care, the white pines have come back to the land—but they must be protected from blister rust. The film depicts the damage done by blister rust and shows what steps have been taken in the Lake States to stop the spread of that disease. (Not in Film Libraries; for sale only.)

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BULLETIN OF THE MONTH

"Food for Families With School Children" Agricultural Information
Series 71

This is a story on how the Moore family with their four children plan attractive, wholesome meals and at the same time stay within a food budget.

AGRICULTURAL INFORMATION SERIES

Food for families with school children. Bureau of Human Nutrition and Home Economics. 24 p., illus. (IS 71.) Price 10¢. See above.

CIRCULARS

Yellows-resistant varieties of cabbage in the early and midseason roundhead groups. J. C. Walker and J. P. Jolivette. Bureau of Plant Industry, Soils, and Agricultural Engineering. 20 p., illus. (C 775.) Price 10¢.

The only feasible means of controlling yellows, an important disease of cabbage, is the use of resistant varieties. This circular brings together data on experiments made with these varieties.

Yellows-resistant cabbage varieties in the Danish Ballhead-Hollander group. J. C. Walker, R. H. Larson, R. E. Foster and J. E. Kuntz. Bureau of Plant Industry, Soils, and Agricultural Engineering. 12 p., illus. (C 776.) Price 10¢.

The only feasible means of controlling yellows, an important disease of cabbage, is the use of resistant varieties. This circular brings together data on experiments made with these varieties.

Red pine management in Minnesota. F. H. Eyre and Paul Zehngraff. Forest Service. 70 p., illus. (C 778.) Price 20¢.

The main objective of this publication is to draw together in one place the most complete and reliable information available on the management of natural red pine stands.

Explanation and interpretation of analyses of irrigation waters. L. V. Wilcox. Bureau of Plant Industry, Soils, and Agricultural Engineering. 8 p., illus. (C 784.) Price 5¢.

The purpose of this circular is to explain and interpret in nontechnical language a chemical analyses of waters used for irrigation.

Improvement of pastures for dairy cattle in middle Tennessee. A. G. Van Horn and J. R. Dawson. Bureau of Dairy Industry. 21 p., illus. (C 786). Price 10¢.

To provide useful information for dairy farmers in middle Tennessee and the adjacent areas to the north and south, this circular describes the results obtained with grazing animals on 12 experimental plots at Lewisburg, Tenn.

* Compiled by Eleanor W. Clay, Office of Information.

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U. S. DEPARTMENT OF AGRICULTURE

FARMERS' BULLETINS

Marketing eggs. Jos. Wm. Kinghorse. Production and Marketing Administration. 40 p., illus. (F 1378, rev.) Price 15¢.

Methods of marketing eggs, including grading, packing, shipping, and storing, are outlined in this revision.

Diseases of strawberries. J. B. Demaree. Bureau of Plant Industry, Soils, and Agricultural Engineering. 28 p., illus. (F 1891, rev.) Price 15¢.

This revised bulletin describes and gives methods for controlling the most important strawberry diseases in the U. S.

Mint farming. A. F. Sievers and E. C. Stevenson. Bureau of Plant Industry, Soils, and Agricultural Engineering. 30 p., illus. (F 1988.) Price 10¢.

The culture, diseases, pests, harvesting, and distillation of the essential oils of peppermint and spearmint are described.

MISCELLANEOUS PUBLICATIONS

Grain grading primer. Willis B. Combs and Fred G. Smith. Extension Service and Production and Marketing Administration. 61 p., illus. (M 325, rev.) Price 20¢.

The Grain Grading Primer is designed for grain farmers and country grain dealers who are interested in handling grain on a grade and quality basis and for marketing students. It is not designed for grain inspectors, for they must necessarily use a more precise and detailed grain-grading technique than that described herein. This revision includes new material on the grading of soybeans, and covers recent minor changes in the standards.

Distinguishing the species of Brassica by their seed. Albina F. Musil. Bureau of Plant Industry, Soils, and Agricultural Engineering. 35 p., illus. (M 643.) Price 15¢.

The seed characteristics of rape, cabbages, and mustards are described.

How families use their incomes. Bureau of Human Nutrition and Home Economics. 64 p., illus. (M. 653.) Price 30¢. For sale only.

This publication brings together descriptive material on the economic position of families in this country, to show how families spend their incomes for food, housing, clothing, medical care, and other needs and wants.

SOIL SURVEYS

Claiborne County, Tennessee. Series 1939, No. 5. Bureau of Plant Industry, Soils, and Agricultural Engineering in cooperation with the Tennessee Agricultural Experiment Station and the Tennessee Valley Authority. 245 p., illus. Price \$3.25.

This report and the accompanying map present information both general and specific about the soils, the crops, and the agriculture of Claiborne county in the Great Valley of East Tennessee, the northwestern part on Cumberland Mountain.

Lancaster County, Nebraska. Series 1938, No. 15. Bureau of Plant Industry, Soils, and Agricultural Engineering in cooperation with the University of Nebraska. 70 p., illus. Price 60¢.

This report and map present information both general and specific about the soils, the crops, and the agriculture of Lancaster county in southeastern Nebraska.

The Umatilla area, Oregon. Series 1937, No. 21. Bureau of Plant Industry, Soils, and Agricultural Engineering in cooperation with the Oregon Agricultural Experiment Station. 125 p., illus. Price \$1.25.

This report and the map that accompanies the report present information, both general and specific, about the soils, the crops, and the agriculture of nearly 60 percent of Umatilla county in northeastern Oregon.

TECHNICAL BULLETINS

Technical Bulletins Nos. 901-925, with contents. Office of Information. 12 p. Price 5¢.

The titles with table of contents only are given for this group of technical bulletins.

OTHER PUBLICATIONS

Bamboo culture and utilization in Puerto Rico. David G. White. Federal Experiment Station in Puerto Rico. 34 p., illus. (PRC 29.) Price 10¢. For sale only.¹

Biology of the bamboo powder-post beetle in Puerto Rico. Harold K. Plank. Federal Experiment Station in Puerto Rico. 29 p., illus. (PRB 44.) Price 10¢. For sale only.¹

European corn borer. Bureau of Entomology and Plant Quarantine. 1 sheet, illus. (PS 14, rev.) Price 5¢.

Fruits (noncitrus) production, farm disposition, value, and utilization of sales, 1889-1944. Bureau of Agricultural Economics. 106 p. (CS 27.)

Index-catalogue of medical and veterinary zoology. Part 10. Authors: M to MYSH. Bureau of Animal Industry. Pp. 2967-3481. Price \$1.50.

Quantities of food for serving school lunches. Bureau of Human Nutrition and Home Economics. 18 p. (PA 45.)

PERIODICALS

The agricultural situation. Vol. 32, No. 6, June 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 7, No. 4. April 1948. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

Extension service review. Vol. 19, Nos. 6 and 7. June-July 1948. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Foreign agriculture. Vol. XII, No. 6. June 1948. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

Separate, 5¢ domestic; 8¢ foreign.¹ The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

— Vol. 76, No. 11. June 1, 1948. Illus. Contents:

Segregation in russeted sports of the Grimes apple (Key No. Mich.-53). V. R. Gardner, W. Toenjes, and M. Giefel.

Variability and segregation in the Golden Russet apple (Key No. Mich.-54). V. R. Gardner, W. Toenjes, M. Giefel, and J. C. Kremer.

Segregation in a radially unsymmetrical sport of the Canada Red apple (Key No. Mich.-55). V. R. Gardner, W. Toenjes, and M. Giefel.

Contribution of inbred lines to the resistance of hybrid dent corn to larvae of the early summer generation of the European corn borer (Key No. K-344). L. H. Patch and Ray T. Everly.

The significance of available calcium as a factor limiting growth of Azotobacter at pH levels below 6.0 (Key No. Kans.-102). P. L. Gainey.

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Others-----

— Vol. 76, No. 12. June 15, 1948. Illus. Contents:

Effect of different varieties and ages of sorghum on the biology of the chinch bug (Key No. K-346). R. G. Dahms.

Effect of nitrogen, phosphorus, and potassium on susceptibility of tomatoes to *Alternaria solani* (Key No. G-1385). H. Rex Thomas.

Reaction of alfalfa varieties, selections, and hybrids to *Ascochyta imperfecta* (Key No. Kans.-103). L. P. Reitz, C. O. Grandfield, M. L. Peterson, G. V. Goodding, M. A. Arneson, and E. D. Hansing.

News for farmer cooperatives. Vol. 15, No. 3. June 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 13, Nos. 11 and 12. June-July 1948. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.¹

Soil conservation. Vol. XIII, No. 11. June 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

THE EUROPEAN CORN BORER. 16 mm., sound, in color, released 1948. Running time 10 minutes.

Corn borers infest a fair portion of the 90,000,000 acres devoted to corn and are estimated to cause losses of 50,000,000 bushels of corn each year. With the aid of the close-up camera, we see in interesting detail the life-cycle of the corn borer. The film discusses control measures, tells the farmer how to recognize and where to find the insect eggs and the best times to use insecticides. Various insecticides are reviewed and different types of spraying equipment are shown. A timely, informative and instructional film which should go a long way in helping to increase our feed and food supplies of corn. Available from cooperating libraries in 28 states where the European corn borer has been known to prevail.

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BULLETIN OF THE MONTH

Preventing and Removing Mildew . . . Home Methods Agricultural Information Series 72

Directions are given for preventing mildew and removing molds that commonly develop in muggy, summer weather.

AGRICULTURAL INFORMATION SERIES

Preventing and removing mildew . . . Home methods. Margaret S. Furry. Bureau of Human Nutrition and Home Economics. 10 p., illus. (IS 72.) Price 5¢. See above.

How to choose and use your washing machine. V. Enid Sater and Lenore E. Sater. Bureau of Human Nutrition and Home Economics. 15 p., illus. (IS 73.) Price 5¢.

Pointers to look for when buying a washing machine are given. Included also are methods for taking care of washers to get the best service.

FARMERS' BULLETINS

Preparation of fresh tomatoes for market. Raymond L. Spangler. Production and Marketing Administration. 48 p., illus. (F 1291, rev.) Price 5¢.

This revised publication gives methods of harvesting, handling, sorting, and packing of tomatoes for market. Suggestions for growers and shippers to improve their own methods are also given.

Stubble-mulch farming to hold soil and water. F. L. Duley and J. C. Russel. Soil Conservation Service in cooperation with the Nebraska Agricultural Experiment Station. 32 p., illus. Supersedes F 1917 and M 494. (F 1997.) Price 10¢.

This bulletin describes a system of farming in which the residues of the crops grown on the land are used as a mulch to conserve soil and water. Instead of removing, destroying, or plowing under the residue it is left on the surface of the soil. Both the methods and the implements are fully described.

LEAFLETS

Safeguarding identification of cotton bales. George E. Gaus. Production and Marketing Administration. 8 p., illus. (L 246.) Price 5¢.

Present inadequate methods of bale identification contribute to the risks in marketing cotton. This leaflet describes an effective way to mark cotton bales permanently at the gin by the use of a metal tag which has been developed and tested at the U. S. Cotton Ginning Laboratory, Stoneville, Miss.

* Compiled by Eleanor W. Clay, Office of Information.

CIRCULARS

Water input used for field crops at the United States Scotts Bluff (Nebr.) Field Station, 1941-44. Carl S. Scofield and Orlando W. Howe. Bureau of Plant Industry, Soils, and Agricultural Engineering. 18 p., illus. (C 777.) Price 10¢.

The results of investigations on the quantities of precipitation and irrigation water involved in the production of several field crops at the U. S. Scotts Bluff (Nebr.) Field Station are given.

Effects of awns on yield and market qualities of wheat. C. A. Suneson, B. B. Bayles, and C. C. Field. Bureau of Plant Industry, Soils, and Agricultural Engineering. 8 p. (C 783.) Price 5¢.

This circular gives the effects of awns on the development of the wheat kernel.

Angora rabbit wool production. Thora M. Plitt Hardy and Ethel H. Dolnick. Bureau of Animal Industry. 22 p., illus. (C 785.) Price 10¢.

This publication answers many questions on the raising and handling of angora rabbits for the production of rabbit wool.

MISCELLANEOUS PUBLICATIONS

Directory of activities of the Bureau of Plant Industry, Soils, and Agricultural Engineering, 1947. Bureau of Plant Industry, Soils and Agricultural Engineering. 157 p. (M 645.) Price 30¢. **For sale only.**¹

This directory is issued for the information of employees, cooperators, and others interested in the work of the Bureau of Plant Industry, Soils, and Agricultural Engineering. Included are brief statements of the history and functions of the Bureau, an organization chart, and a map showing the locations of field activities.

Experimental compression of dehydrated foods. Agricultural Research Administration. 57 p., illus. (M 647.) Price 25¢.

Problems of handling, transportation, and storage of foods for overseas shipment during World War II emphasized the need for reducing the bulk of such foods as far as possible. This publication reports the results of investigations on compressed dehydrated foods.

Lonchocarpus, derris, and pyrethrum cultivation and sources of supply. E. C. Higbee. Office of Foreign Agricultural Relations. 36 p., illus. (M 650.) Price 15¢. **For sale only.**¹

This bulletin gives the culture and sources of the above three plants used in the preparation of commercial insecticides.

SERVICE AND REGULATORY MATERIAL

Notices of judgment under the Insecticide Act, 1976-2015. Production and Marketing Administration. Pp. 651-674.

Service and regulatory announcements. Bureau of Animal Industry. Pp. 39-48. (SRA-BAI 493.) Price 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.¹

SOIL SURVEYS

Johnson County, Indiana. Series 1938, No. 13. Bureau of Plant Industry, Soils and Agricultural Engineering in cooperation with the Purdue University Agricultural Experiment Station. 105 p., illus. Price \$1.25.

Tazewell County, Virginia. Series 1938, No. 18. Bureau of Plant Industry, Soils, and Agricultural Engineering in cooperation with the Virginia Agricultural Experiment Station and the Tennessee Valley Authority. 176 p., illus. Price \$1.25.

Transylvania County, North Carolina. Series 1938, No. 17. Bureau of Plant Industry, Soils, and Agricultural Engineering in cooperation with the North Carolina Agricultural Experiment Station and the Tennessee Valley Authority. 112 p., illus. Price \$1.00.

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TECHNICAL BULLETINS

Bacteriological changes during the fermentation of certain brined and salted vegetables. John L. Etchells, Ivan D. Jones and William M. Lewis. Bureau of Agricultural and Industrial Chemistry and the North Carolina Agricultural Experiment Station. 64 p., illus. (T 947.) Price 15¢.

Results of a bacteriological investigation dealing with the preservation of a number of vegetables by the use of one or more brining and dry-salting treatments are presented.

Anatomy and morphology of the vegetative organs of *Sorghum vulgare*. Ernst Artschwager. Bureau of Plant Industry, Soils, and Agricultural Engineering. 55 p., illus. (T 957.) Price 20¢.

In the present contribution, characteristics of the sorghum plant are treated in some detail. This bulletin will be of value to the plant geneticist and pathologist.

OTHER PUBLICATIONS

More eggs from Alaska flocks. Stanley L. Balloun. Matanuska Experiment Station, Alaska. Folder. (AESC 8.) Price 5¢. For sale only.¹

Potato storage in Alaska's Matanuska Valley. Alfred D. Edgar and Don Irwin. Bureau of Plant Industry, Soils, and Agricultural Engineering and the Alaska Agricultural Experiment Station. 25 p., illus. (AESC 7.) Price 10¢. For sale only.¹

Vanilla culture in Puerto Rico. Norman F. Childers and Héctor R. Cibes. Federal Experiment Station in Puerto Rico. 94 p., ill. (PRC 28.) Price 20¢. For sale only.¹

PERIODICALS

The agricultural situation. Vol. 32, No. 7, July 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 7, No. 5, May 1948. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.¹

Bibliography of agriculture. Vol. 12, No. 6, June 1948; Vol. 12, No. 7, July 1948. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.¹

Fire control notes. Vol. 9, Nos. 2 and 3, April and July 1948. Price 15¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Foreign agriculture. Vol. XII, No. 7, July 1948. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ Not distributed free to individuals.

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— Vol. 77, No. 1. July 1, 1948. Illus. Contents:

Strains of cucumber mosaic virus pathogenic on crucifers (Key No. Wis.-163). Glen S. Pound and J. C. Walker.

Production of *Derris elliptica* in relation to type of cutting and age at harvest. (Key No. P. R.-9). David G. White, Caleb Pagan and Merriam A. Jones.

The effect of benzene hexachloride on soil organisms (Key No. N. Y. (Cornell)-61). J. K. Wilson and R. S. Choudhri.

— Vol. 77, No. 2. July 15, 1948. Illus. Contents:

Sesquidiploid F₁ hybrids of *Lycopersicon esculentum* and *L. peruvianum* (Key No. G-1393). G. W. Bohn.

Seasonal variations of carotene and other nutritionally important constituents in the two pasture grasses dallis and carpet (Key No. La.-7). J. R. Kuppers, L. L. Rusoff and D. M. Sheath.

Soil conservation. Vol. XIII, No. 12. July 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

The following four films, prepared by the Soil Conservation Service especially for use in schools, tells the complete story of the value of our soil and water resources, what is happening to them, and what we may do to conserve them. Each film may be used independently, but for maximum educational value the entire series should be shown, one film per study period. The films are suitable for use in either rural or urban schools at any level above the fourth grade. Teaching guides are available with these films. (Not in film libraries; available for loan from regional offices of the Soil Conservation Service, and for sale.)

EROSION. 16 mm. and 35 mm., black and white, sound, released 1948. Running time 10 minutes.

SOIL AND WATER CONSERVATION. 16 mm. and 35 mm., black and white, sound, released 1948. Running time 9 minutes.

TOPSOIL. 16 mm. and 35 mm., black and white, sound, released 1948. Running time 10 minutes.

WATER. 16 mm. and 35 mm., black and white, sound, released 1948. Running time 9 minutes.

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MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES*

AUGUST 1948

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LEAFLETS

Bicolor lespedeza for quail and soil conservation in the Southeast. Verne E. Davison. Soil Conservation Service. 8 p., illus. (L 248.) Price 5¢.

This perennial shrub can be used on the poorest and best of lands. It will provide food for quail from early fall throughout the hunting season. It also has considerable erosion control value and makes a beautiful flowering border in mid-summer.

CIRCULARS

Spoilage of fresh fruits and vegetables in rail shipments unloaded at New York City, 1935-42. James S. Wiant and C. O. Bratley. Bureau of Plant Industry, Soils, and Agricultural Engineering. 62 p. (C 773.) Price 15¢.

Percentages and types of fruit and vegetable decay found in rail, boat and truck shipments inspected upon arrival at the New York City terminal market are tabulated.

Effect of crop rotation and manure on the yield and quality of sugar beets, United States Scotts Bluff (Nebr.) Field Station, 1930-41. S. B. Nuckles and Lionel Harris. Bureau of Plant Industry, Soils, and Agricultural Engineering. 20 p., illus. (C 779.) Price 10¢.

Crop rotations for 1930 to 1941 at the Scotts Bluff Field Station, Mitchell, Nebr., developed important facts on proper rotation practices and on the value of manure for growing sugar beets.

Laboratory gins and tests of reliability of ginning with different sizes of seed cotton lots. Arvid J. Johnson and Zolon M. Looney. Bureau of Plant Industry, Soils, and Agricultural Engineering and Production and Marketing Administration. 13 p., illus. (C 782.) Price 5¢.

The results of tests at the U. S. Cotton Ginning Laboratory are given to assist cotton research workers.

Cooperative studies of sweetpotato-plant production. J. B. Edmond, O. B. Garrison, W. S. Anderson and Victor R. Boswell. Bureau of Plant Industry, Soils, and Agricultural Engineering, in cooperation with the Agricultural Experiment Stations of Mississippi and South Carolina. 17 p. (C 787.) Price 10¢.

In the United States the sweetpotato is a major vegetable crop. This circular presents the results of studies of the influence of certain cultural, harvest, and storage factors on the plant production of the bedded roots.

Nutritive requirements and feed formulas for chickens. H. R. Bird. Bureau of Animal Industry. 26 p., illus. (C 788.) Price 10¢.

Nutrients required, feed formulas, feedstuffs and feeding practices are discussed.

Effect of various factors on grades of New Zealand white rabbitskins. Charles E. Kellogg and George S. Templeton. Bureau of Animal Industry. 23 P., illus. (C 789.) Price 10¢.

The purpose of the study reported in this circular was to obtain information on the effect on grades of domestic rabbitskins, of various factors, including age and sex of the rabbits, methods of feeding, climate, and season of the year when the skins were taken.

*Compiled by Eleanor W. Clay, Office of Information.

MISCELLANEOUS PUBLICATIONS

The Anthracite Forest Region: A problem area. Frank A. Ineson and Miles J. Ferree. Forest Service. 71 p., illus. (M 648.) Price 40¢. Restricted.

This report describes the economic situation in the Anthracite Forest Region of Pennsylvania and the potential contribution of the forests to employment and income.

List of sires proved in dairy-herd improvement associations, 1948. Bureau of Dairy Industry. 256 p. (M 651.) Price 50¢. For sale only.¹

The present publication is the twelfth annual list of proved sires issued by the Department of Agriculture. Bringing together all proved-sire information annually, as is done in these lists, is expected not only to be currently useful to all dairymen in selecting promising herd sires but also to assist materially in spreading and perpetuating the influence of the outstanding sires.

SERVICE AND REGULATORY MATERIAL

Service and regulatory announcements. Bureau of Animal Industry. June 1948, pp. 49-58, (SRA-BAI 494); July 1948, pp. [59-66], (SRA-BAI 495). Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

OTHER PUBLICATIONS

Inversion of sucrose and other physiological changes in harvested sugarcane in Louisiana. John I. Lauritzen, R. T. Balch and Charles A. Fort. Bureau of Plant Industry, Soils, and Agricultural Engineering and Bureau of Agricultural and Industrial Chemistry. 65 p., illus. (T 939.) Price 25¢.

Results of studies are summarized on the effect of temperature, humidity, loss of moisture and solids and the influence of various storage conditions on the extraction of juice and on the milling quality of cane.

Mosaic of sugarcane in the United States, with special reference to strains of the virus. Eaton M. Summers, E. W. Brandes and R. D. Rands. Bureau of Plant Industry, Soils, and Agricultural Engineering. 124 p., illus. (T 955.) Price 35¢.

Mosaic has been a serious problem at one time or another in practically every country that produces sugarcane. This bulletin presents largely data from studies of strains of the mosaic virus, their effect on different varieties of sugarcane, and other phases of the disease.

Marketing and manufacturing margins for hides and skins, leather, and leather products. L. D. Howell. Bureau of Agricultural Economics. 87 p., illus. (T 961.) Price 20¢

This report is one of a series relating to marketing margins and costs for agricultural products by the Bureau of Agricultural Economics. It deals with the spread between prices of hides and skins and prices to consumers for the finished leather products, the charges or costs involved, and the possibilities of reducing them.

Analysis of hedging and other operations in grain futures. L. D. Howell. Bureau of Agricultural Economics. 83 p., illus. (T 971.) Price 20¢.

This bulletin is intended to contribute to an understanding of trading in grain futures and the effects of futures trading on farm prices.

OTHER PUBLICATIONS

Estimating the cost of food for a school lunch. Bureau of Human Nutrition and Home Economics in cooperation with Production and Marketing Administration. 12 p. (PA 53.)

This is presented to aid schools in estimating the cost of food for a lunch program as well as to suggest simple methods for computing actual food costs in an established program.

Livestock market news statistics and related data, 1947. Production and Marketing Administration. [98] p. (CS 29.)

This edition has been compiled for the use of producers, distributors, and others who are interested in statistics relating to the livestock, meat, and wool industries.

Make this table lamp. Rural Electrification Administration. 1 p., illus.

Materials needed, steps in making a base and stem and instructions on assembling are given.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

School lunch recipes using dried fruits. Bureau of Human Nutrition and Home Economics in cooperation with Production and Marketing Administration. 7 p. (PA 57.)

Ways to serve dried fruits that are high in food value are given in quantity recipes for 100.

Tobaccos of the United States: Acreage, yield per acre, production, price, and value by states, 1866-1945 and by types and classes, 1919-1945. Bureau of Agricultural Economics. 82 p., illus. (CS 30.)

Title is self-explanatory.

A yardstick for school lunches. Production and Marketing Administration. 30 p. (PA 50.)

The purpose of this pamphlet is to serve as a guide to local groups wishing to bring about in the most efficient manner a well-operated school lunch program in their own community. It is a slight revision of a publication originally issued in 1944 by the Office of Education.

PERIODICALS

The agricultural situation. Vol. 32, No. 8. August 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agricultural decisions. Vol. 7, No. 6. June 1948. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.¹

Bibliography of agriculture. Vol. 12, No. 8. August 1948. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.¹

Extension service review. Vol. 19, Nos. 8 and 9. August-September 1948. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.

Foreign agriculture. Vol. XII, No. 8. August 1948. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ Not distributed free to individuals.

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Separate, 5¢ domestic; 8¢ foreign.¹ The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

— Vol. 77, No. 3. August 1, 1948. Illus. Contents:

Wild rice and its chemical composition (E-103). Ruth G. Capen and J. A. LeClerc.
Pod mottle, a virus disease of beans (G-1394). W. J. Zaumeyer and H. Rex Thomas.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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Others _____

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— Vol. 77, No. 4. August 15, 1948. Illus. Contents:

Horseradish mosaic (Wis.-164). Glenn S. Pound.
Antibiotic substances in onion in relation to disease resistance (Wis-165). W. C. Hatfield, J. C. Walker, and J. H. Owen.

News for farmer cooperatives. Vol. 15, No. 4, July 1948; Vol. 15, No. 5, August 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 14, Nos. 1 and 2. August-September 1948. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.¹

Soil conservation. Vol. XIV, No. 1. August 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

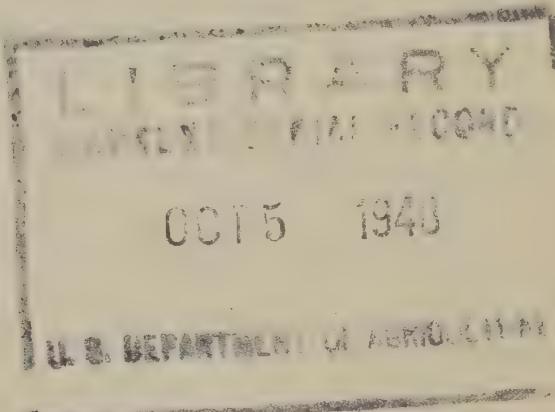
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The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

THEN IT HAPPENED. 16 mm., color, sound. Running time, 10 minutes. Released 1948.

A dramatic documentary of the destruction of Maine's beautiful and valuable forests. There are breath-taking views of the raging fires that claimed human lives, destroyed farms and villages, as well as famed summer resorts in the vicinity of Bar Harbor. The need for forest fire prevention and adequate forest fire-fighting measures everywhere is tragically portrayed. (Now available from cooperating film libraries.)

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BULLETIN OF THE MONTH

"Pointers on Making Good Lawns"

Yearbook Separate from 1948 Yearbook

The fourteen steps necessary in making a good lawn and the ten points to observe in keeping a lawn in good condition are outlined.

AGRICULTURAL INFORMATION SERIES

Chicken in the freezer. Bureau of Human Nutrition and Home Economics. Folder, illus. (IS 74.) Price 5¢. **For sale only.**¹ Directions for freezing stewing hens, roasters, broilers, and fryers are given.

MISCELLANEOUS PUBLICATIONS

Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1947-48. Betty T. Richardson. Office of Experiment Stations. 168 p. (M 649.) Price 35¢. **Restricted.**

This is the annual directory of officials, their titles and addresses in the State Agricultural and Experiment Stations.

Tree breeding at the Institute of Forest Genetics. Forest Service. 14 p., illus. (M 659.) Price 10¢.

This is a description of the work carried on at this research organization. The program is devoted to the production of better forest trees in the hope that it will aid in increasing the nation's timber supply.

Potato preferences among household consumers. Bureau of Agricultural Economics. 119 p. (M 667.) Price 25c.

In order to aid the potato industry the results of a consumer-preference survey are given.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

* Compiled by Eleanor W. Clay, Office of Information.

SERVICE AND REGULATORY MATERIAL

Service and regulatory announcements. Bureau of Animal Industry. August 1948. Pp. 67-78. (SRA-BAI 496.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

TECHNICAL BULLETINS

Leaf rust of wheat in the uniform rust nurseries in the United States, 1938-43. C. O. Johnston, Ralph M. Caldwell, and L. E. Compton. Bureau of Plant Industry, Soils, and Agricultural Engineering and Purdue University Agricultural Experiment Station. 13 p., illus. (T 960.) Price 5¢.

It is the purpose of this bulletin to present some of the data recorded in uniform rust nurseries in recent years on the reaction of wheat varieties to leaf rust.

OTHER PUBLICATIONS

Dairy and poultry market statistics, 1947. Production and Marketing Administration. 85 p. (CS 28.)

This is the annual summary of market statistics collected and compiled by the Dairy and Poultry Market News Division.

Joint committee report on extension programs, policies, and goals.

U. S. Department of Agriculture and Association of Land-Grant Colleges and Universities. 72 p. Price 20¢.

This is the report of the committee established by the Department and the Association in 1946 to study the policies and aims of the Cooperative Extension Service and to make recommendations for procedures.

Marketing policies of the California Prune and Apricot Growers Association. Harry C. Hensley. Farm Credit Administration. 55 p., illus. (FCA-C 132.) Price 20¢.

This study reports the origin, business set-up, growth, and marketing policies of a large-scale cooperative.

Pointers on making good lawns. Fred V. Grau and Marvin H. Ferguson. Bureau of Plant Industry, Soils, and Agricultural Engineering. Reprinted from pages 302-307 of the 1948 Yearbook of Agriculture. (YS—"Lawns") See page 1.

School lunch recipes using dried whole eggs. Production and Marketing Administration. 9 p. (PA 58.)

These new recipes for 100 portions have been developed especially for the use of dried eggs in a variety of ways.

Small equipment for the school lunch. Production and Marketing Administration. 8 p. (PA 59.)

The lists of small equipment for lunch programs of various sizes, given in this publication, have been prepared as a guide to school people in planning new school lunch programs or in selecting supplemental equipment for lunch rooms in operation.

PERIODICALS

The agricultural situation. Vol. 32, No. 9. September 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Agriculture decisions. Vol. 7, No. 7. July 1948. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.¹

Bibliography of agriculture. Vol. 12, No. 9. September 1948. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.¹

Foreign agriculture. Vol. XII, No. 9. September 1948. Price 15¢
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— Vol. 77, No. 5. September 1, 1948. Illus. Contents:

Tests of sweet corn lines for resistance to European corn borer larvae (K-347). Morris Schlosberg and W. A. Baker.

A basis for classifying soil permeabilities (S-7). T. W. Bendixen, M. F. Hershberger and C. S. Slater.

— Vol. 77, No. 6. September 15, 1948. Illus. Contents:

Predisposition of tomato to bacterial canker (Wis.-166). J. B. Kendrick, Jr.,
and J. C. Walker.

Pollen compatibility in *Asclepias syriaca* (G-1395). F. K. Sparrow and Norma L. Pearson.

News for farmer cooperatives. Vol. 15, No. 6. September 1948.

Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Soil conservation. Vol. XIV, No. 2. September 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

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DEAD OUT. 16 mm., sound, color. Running time 20 minutes. Released 1948.

Fire respects no man's property nor his neighbor's. This film on brush burning in the South shows graphically, realistically, the dangers and attendant woes of burning brush in rural areas unseasonably or without taking proper safety precautions. The story centers dramatically around Ridge McDowell, prosperous young farmer, who, though adhering to most rules of safety, makes the mistake of not assuring that his brush fires are "dead out." His little girl is burned severely and he loses everything when a strong wind fans a smouldering brush pile into flame and carries the fire to his house and nearby woods. Interwoven in the story are scenes of other such catastrophes recounted by a veteran "timber cruiser" of McDowell's district. The film concludes by showing the proper methods of brush burning and the appropriate times to do it. (Not in libraries: for loan from U. S. Forest Service regional offices and State Foresters in the southern States and for sale.)

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BULLETIN OF THE MONTH

"Managing Farm Finances"

Miscellaneous Publication 652

Farmers and others faced with the problems of investing and borrowing money will find this general handbook of information very useful. The information applies generally and may not be applicable to a specific situation.

FARMERS' BULLETINS

Raspberry culture. George M. Darrow and George F. Waldo. Bureau of Plant Industry, Soils, and Agricultural Engineering. 38 p., illus. (F 887, rev.) Price 10¢.

Methods of planting, cultivating, and training and pruning of red and black raspberries are given in this revised bulletin. Growers can select from the varieties described the ones adapted to their locality, market, and season of growth.

The European corn borer: Its present status and methods of control. W. A. Baker and W. G. Bradley. Bureau of Entomology and Plant Quarantine. 46 p., illus. (F 1548, rev.) Price 15¢.

This revised bulletin gives the life history and habits of the European corn borer and measures for the farmer to employ for its control.

Silos: Types and construction. J. R. McCalmont. Bureau of Plant Industry, Soils, and Agricultural Engineering. [66] p., illus. (F 1820, rev.) Price 20¢.

This revised bulletin gives methods for constructing temporary or permanent silos either above or below the ground. Certain safeguards against the dangers of gas accumulation in silos are also given.

CIRCULARS

Delivery notices in cotton futures markets. Ronald C. Callander. Commodity Exchange Authority. 19 p. (C 794.) Price 10¢.

An analysis of the transferable-notice system as employed by the New York Cotton Exchange, giving the problems that have developed through the use of the transfer provision in delivery notices is presented.

*Compiled by Eleanor W. Clay, Office of Information.

New varieties of oats from Bond crosses resistant to Victoria blight. T. R. Stanton. Bureau of Plant Industry, Soils, and Agricultural Engineering. 7 p., illus. (C 795.) Price 10¢.

The origin, characteristics, and sources of seed from 13 varieties of spring oats that have been developed from Bond crosses resistant to Victoria blight are given.

MISCELLANEOUS PUBLICATIONS

Managing farm finances. Harald C. Larsen and Neil W. Johnson. Bureau of Agricultural Economics. 69 p., illus. (M 652.) Price 20¢. See page 1.

SERVICE AND REGULATORY MATERIAL

Interpretations of the regulations for the enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act. August 1948. Pp. 1-52. (SRA-PMA 167.)

Service and regulatory announcements. Bureau of Animal Industry. September 1948. Pp. 79-88. (SRA-BAI 497.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

SOIL SURVEYS

Jackson County, North Carolina. Series 1938, No. 19. Bureau of Plant Industry, Soils, and Agricultural Engineering in cooperation with the North Carolina Agricultural Experiment Station and the Tennessee Valley Authority. 87 p., illus. Price \$1.25.

This report and the accompanying map present information both general and specific about the soils, the crops, and the agriculture of Jackson County, in the extreme western part of North Carolina.

TECHNICAL BULLETINS

Preparation and use of leaf meals from vegetable wastes. J. J. Willaman and Roderick K. Eskew. Bureau of Agricultural and Industrial Chemistry. 102 p., illus. (T 958.) Price 35¢.

This is a compilation of reports and circulars published by the Eastern Regional Research-Laboratory, Philadelphia, Pennsylvania, on the utilization of vegetable wastes.

The quality of water for irrigation use. L. V. Wilcox. Bureau of Plant Industry, Soils, and Agricultural Engineering. 40 p., illus. (T 962.) Price 15¢.

The objectives of this bulletin are to show the analyses of certain typical waters and the variation in composition of natural waters and to discuss the interpretation of analyses and the effect of the water on the soil for irrigation purposes.

OTHER PUBLICATIONS

How to get more milk from your pastures. Bureau of Dairy Industry. [4] p. (PA 47.)

Good pastures and good pasture management are essential for the successful operation of a long-range dairy program. This publication points out that pasture crops not only furnish essential and nutritious feed for dairy cows but conserve and improve the fertility of the soil.

1949 agricultural outlook charts. Bureau of Agricultural Economics. 90 p., illus.

The charts in this bulletin give the 1949 outlook figures on the production, price, and consumption of agricultural commodities.

Report of the Federal Experiment Station in Puerto Rico, 1947. Office of Experiment Stations. 85 p. Price 20¢. For sale only.¹

This is the annual report of the work carried on at the Federal Experiment Station in Puerto Rico.

PERIODICALS

The agricultural situation. Vol. 32, No. 10. October 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 7, No. 8. August 1948. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.¹

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Bibliography of agriculture. Vol. 12, No. 10. October 1948. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.¹

Crops and markets. Vol. 25. January 1948. Issued annually. Price 45¢ a copy.¹

With this issue, Crops and Markets changes from a quarterly to an annual report. It is designed to supplement Agricultural Statistics, an annual publication of the Department.

Extension service review. Vol. 19, Nos. 10 and 11. October–November 1948. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Fire control notes. Vol. 9, No. 4. October 1948. Price 15¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Foreign agriculture. Vol. XII, No. 10. October 1948. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.¹

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— Vol. 77, Nos. 7 and 8. October 1 and 15, 1948. Illus. Contents:

Periconia circinata and its relation to milo disease (G 1396). R. W. Leukel.

Auxin relations in hot-water-treated sugarcane stems (G 1397). E. W. Brandes and J. van Overbeek.

News for farmer cooperatives. Vol. 15, No. 7. October 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 14, Nos. 3 and 4. October–November 1948. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.¹

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EVERYMAN'S EMPIRE. 2 reels, 16 mm., sound, color. Running time 20 minutes. Released 1948.

Today 152 National Forests are owned by the people of the United States. These forests contain almost one-third of the nation's remaining saw timber. Here, also, are vast storehouses of water from which many towns and cities receive their entire water supply. Here grasslands provide range for cattle and sheep. Here are food and cover for wild animals and birds and streams for fish. Here, too, are recreation areas for generations of Americans. (Available from most Film Libraries.)

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AGRICULTURAL INFORMATION SERIES

First aid for flooded homes and farms. U. S. Department of Agriculture. 19 p. (IS 75.)

People and potatoes. Bureau of Agricultural Economics. 8 p., illus. (IS 76.)

Consumer guides for buying and keeping eggs. Production and Marketing Administration. 4 p. (IS 77.)

LEAFLETS

What is a conservation farm plan? Soil Conservation Service. [8] p., illus. (L 249.) Price 5¢.

CIRCULARS

Methods used to control pollination of pines in the Sierra Nevada of California.

W. C. Cumming and F. I. Righter. California Forest and Range Experiment Station, Forest Service. 18 p., illus. (C 792.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

Instructions on processing for community frozen-food locker plants. M. B. Matlack. Production and Marketing Administration. 23 p., illus. (M 588, rev.) Price 20¢.

Irrigation agriculture in the West. Office of the Secretary. 39 p., illus. (M 670.) Price 50¢. For sale only.¹

SERVICE AND REGULATORY MATERIAL

Service and regulatory announcements. Bureau of Animal Industry. October 1948. Pp. 89-99. (SRA-BAI 498.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

TECHNICAL BULLETINS

Investigation in erosion control and the reclamation of eroded land at the Missouri Valley Loess Conservation Experiment Station, Clarinda, Iowa, 1931-42. G. M. Browning, R. A. Norton, A. G. McCall, and F. G. Bell. Soil Conservation Service in cooperation with the Iowa Agricultural Experiment Station. 88 p., illus. (T 959.) Price 30¢.

*Compiled by Eleanor W. Clay, Office of Information.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

OTHER PUBLICATIONS

Directory of the Bureau of Animal Industry, revised to July 1, 1948. 68 p.
Price 15¢. For sale only.¹

Let's talk it over. The extension worker as a counselor. Lydia Ann Lynde. Extension Service. 15 p., illus. (PA-56.)

National forest areas, June 30, 1948. Forest Service. 16 p., illus.

Planning and equipping school lunchrooms. Production and Marketing Administration. 19 p. (PA-60.)

PERIODICALS

The agricultural situation. Vol. 32, No. 11. November 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 7, No. 9. September 1948. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.¹

Bibliography of agriculture. Vol. 12, No. 11. November 1948. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.¹

Foreign agriculture. Vol. XII, No. 11. November 1948. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

Separate, 5¢ domestic; 8¢ foreign. The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

— Vol. 77, Nos. 9 and 10. November 1 and 15, 1948. Illus. Contents:

Growth potentialities of vegetative buds on apple trees (Mich.-56). Irma M. Felber.

A study of uncongeniality between peaches as scions and the Marianna plum as a stock (Ind.-33). J. A. McClintock.

Influence of oil-wax emulsion sprays on size of Montmorency cherries (Mich.-52). A. L. Neal, C. G. Barr, V. R. Gardner, E. J. Rasmussen, and E. J. Miller.

A simple rapid method for estimating toxicity (rotenone equivalent) of derris root (P. R.—10). C. Pagan and A. J. Loustalot.

— Index to Vol. 75, July 1—December 15, 1947.

Index to Vol. 76, January 1—June 15, 1948.

News for farmer cooperatives. Vol. 15, No. 8. November 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Soil conservation. Vol. XIV, No. 4. November 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

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Extension Service, Ala. Polyt. Inst.	Auburn	Alabama.
Extension Service, Univ. of Alaska	College	Alaska.
Visual Aids Bureau, Ext. Div., Univ. of Ariz.	Tucson	Arizona.
Extension Division, State Teachers College	Conway	Arkansas.
Extension Service, P. O. Box 391	Little Rock	Do.
Extension Division, Univ. of Calif.	Berkeley	California.
Ext. Div., Univ. of Calif., 405 Hilgard Ave	Los Angeles 24	Do.
Association Films, 351 Turk St	San Francisco	Do.
Bureau of Visual Instruction, Univ. of Colo.	Boulder	Colorado.
Extension Service, Colo. State College of Agri.	Fort Collins	Do.

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Film libraries—Continued

Address	City	State
Audio Visual Aids Center, Univ. of Conn.	Storrs	Connecticut.
Extension Service, Univ. of Delaware	Newark	Delaware.
Film Center, 915 12th St. NW	Washington	D. C.
Ext. Div., Univ. of Fla.	Gainesville	Florida.
Agri. Ext. Service, Univ. of Ga.	Athens	Georgia.
Div. of General Ext., Univ. of Ga.	do	Do.
Agricultural Ext. Ser., Univ. of Hawaii	Honolulu 10	Hawaii.
Extension Service, Univ. of Idaho	Boise	Idaho.
Visual Aids Service, Univ. of Ill.	Champaign	Illinois.
Association Films, 19 So. LaSalle St.	Chicago	Do.
Bureau of Audio-Visual Aids, Ind. Univ.	Bloomington	Indiana.
Agri. Ext. Service, Purdue Univ.	LaFayette	Do.
Visual Instruction Service, Iowa State College	Ames	Iowa.
Bureau of Visual Instruction, Univ. of Kans.	Lawrence	Kansas.
Extension Service, Kans. State College	Manhattan	Do.
Bureau of Audio-Visual Aids, Univ. of Ky.	Lexington 29	Kentucky.
Agric. Ext. Service, La. State Univ.	Baton Rouge 3	Louisiana.
Ext. Service, College of Agri., Univ. of Maine	Orono	Maine.
Extension Service, Univ. of Md.	College Park	Maryland.
Extension Service, University of Mass.	Amherst	Massachusetts.
Bureau of Visual Education, Univ. of Mich.	Ann Arbor	Michigan.
Extension Service, Mich. State College	East Lansing	Do.
Ext. Ser., Univ. of Minn., University Farm	St. Paul 8	Minnesota.
Audio-Visual Education, State Dept. of Ed.	Jackson	Mississippi.
Ext. Ser., Miss. State College	State College	Do.
Visual Education Service, Univ. of Mo.	Columbia	Missouri.
Extension Service, Montana A. & M. College	Bozeman	Montana.
Film Library, State Dept. of Public Instruction	Helena	Do.
Bureau of Audio-Visual Aids, Univ. of Nebr.	Lincoln 8	Nebraska.
Agri. Ext. Div., Univ. of Nev.	Reno	Nevada.
Extension Service, Univ. of N. H.	Durham	N. Hampshire.
Extension Service, State College of Agri.	New Bruns-wick.	New Jersey.
New Jersey State Museum, State House Annex	Trenton 7	Do.
Museum Film Service, Museum of New Mexico	Santa Fe	New Mexico.
Extension Service, A. & M. College	State College	Do.
Motion Picture Unit, Dept. of Commerce, 112 State St.	Albany 1	New York.

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Association Films, 347 Madison Ave.	New York 17	Do.
Bureau of Visual Instruction, Univ. of N. C.	Chapel Hill	N. Carolina.
Ext. Ser., State College Station	Raleigh	Do.
Ext. Ser., N. Dak. Agric. College	Fargo	North Dakota.
Ext. Ser., College of Agri., Ohio State Univ.	Columbus	Ohio.
Ohio Slide and Film Exchange, State Dept. of Education.	do	Do.
Visual Ed. Dept., Univ. of Okla.	Norman	Oklahoma.
Ext. Ser., Okla. Agri. and Mech. College	Stillwater	Do.
Dept. of Visual Instruction, Oreg. State College	Corvallis	Oregon.
PCW Film Service, Pa. College for Women	Pittsburgh 6	Pennsylvania.
Ext. Ser., Univ. of Puerto Rico	Rio Piedras	Puerto Rico.
Ext. Ser., Rhode Island State College	Kingston	Rhode Island.
Ext. Ser., Clemson Agri. College	Clemson	S. Carolina.
Ext. Div., Univ. of S. C.	Columbia	Do.
Extension Service, S. Dak. State College	Brookings	South Dakota.
Extension Div., Univ. of S. Dak.	Vermillion	Do.
Div. of Univ. Ext., Univ. of Tenn.	Knoxville 16	Tennessee.
Visual Instruction Bureau, Univ. of Texas	Austin 12	Texas.
Extension Service, A. & M. College	College Station.	Do.
Association Films, 710 Burt Bldg.	Dallas 1	Do.
Extension Service, State College of Agri.	Logan	Utah.
Robert Hull Fleming Museum, Univ. of Vt.	Burlington	Vermont.
Extension Service, Va. Polytechnic Inst.	Blacksburg	Virginia.
Bureau of Teaching Materials, State Board of Education.	Richmond	Do.
Office of Visual Ed., Central Wash. College of Education.	Ellensburg	Washington.
Ext. Ser., State College of Wash.	Pullman	Do.
Audio-Visual Aids Dept., W. Va. Univ.	Morgantown	West Virginia.
Bur. of Visual Instruction, Univ. of Wis.	Madison 6	Wisconsin.
Cooperative Film Library, Univ. of Wyo.	Laramie	Wyoming.

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MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES*

DECEMBER 1948

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If you have changed your address show your old address as well as the new one when you request that our records be changed.

AGRICULTURAL INFORMATION SERIES

How heavy should I feed my hogs? Bureau of Agricultural Economics. 4 p. (IS 78.)

FARMERS' BULLETINS

Strawberry culture: Western United States. George M. Darrow and George F. Waldo. Bureau of Plant Industry, Soils, and Agricultural Engineering. 26 p., illus. (F 1027, rev.) Price 10¢.

Using 2,4-D safely. L. S. Evans, J. W. Mitchell, and R. W. Heinen. Bureau of Plant Industry, Soils, and Agricultural Engineering. 10 p., illus. (F 2005.) Price 5¢.

CIRCULARS

Preserving cotton fabrics in outdoor use. J. D. Dean. Bureau of Agricultural and Industrial Chemistry. 17 p., illus. (C 790.) Price 10¢.

Silvicultural management of black spruce in Minnesota. Russell K. LeBarron. Forest Service. 60 p., illus. (C 791.) Price 15¢. For sale only.¹

Dimensional changes in certain cotton, wool, and rayon woven fabrics during various cleaning and pressing processes. Hazel M. Fletcher and M. Virginia Jones. Bureau of Human Nutrition and Home Economics. 27 p., illus. (C 793.) Price 10¢. For sale only.¹

Forage utilization on summer cattle ranges in eastern Oregon. G. D. Pickford and Elbert H. Reid. Forest Service. 27 p., illus. (C 796.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

Inventory of major land uses in the United States. L. A. Reuss, H. H. Wooten, and F. J. Marschner. Bureau of Agricultural Economics. 89 p., illus. (M 663.) Price 25¢. For sale only.¹

Career opportunities for graduate veterinarians in the Bureau of Animal Industry. Bureau of Animal Industry. 18 p., illus. (M 671.) Price 10¢. For sale only.¹

Potatoes for livestock feed. Chester R. Allender. Production and Marketing Administration. 45 p., illus. (M 676.) Price 15¢.

SERVICE AND REGULATORY MATERIAL

Restriction of permit issuance for importation of Indian corn or maize, broomcorn, and related plants. Bureau of Entomology and Plant Quarantine. 1 p. (BEPQ-Q 41.)

* Compiled by Eleanor W. Clay, Office of Information.

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Amendment to regulations supplemental to gypsy moth and brown-tail moth quarantine. Bureau of Entomology and Plant Quarantine. 3 p. (BEPQ-Q 45, rev.)

Japanese beetle quarantine. Bureau of Entomology and Plant Quarantine. 7 p. (BEPQ-Q 48, rev.)

Revocation of quarantine on the United States mainland to protect Hawaii against plant pests. Bureau of Entomology and Plant Quarantine. 1 p. (BEPQ-Q 51.)

Pink bollworm quarantine. Bureau of Entomology and Plant Quarantine. 8 p. (BEPQ-Q 52, rev.)

Modification of fruit and vegetable quarantine regulations. Bureau of Entomology and Plant Quarantine. 2 p. (BEPQ-Q 56.)

Service and regulatory announcements. Bureau of Animal Industry. November 1948. Pp. 101-108. (SRA-BAI 499.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

Service and regulatory announcements, July-September 1947. Bureau of Entomology and Plant Quarantine. Pp. 59-110. (SRA-BEPQ 169.)

TECHNICAL BULLETINS

Efficient use of food resources in the United States. Raymond P. Christensen. Bureau of Agricultural Economics. 98 p., illus. (T 963.) Price 25¢.

Development of the fetus in the dairy cow. W. W. Swett, C. A. Matthews, and M. H. Fohrman. Bureau of Dairy Industry. 34 p., illus. (T 964.) Price 15¢.

A breeding experiment with holstein cattle at the Huntley, Mont., Field Station. J. R. Dawson and D. V. Kopland. Bureau of Dairy Industry. 44 p., illus. (T 965.) Price 15¢.

Soybeans in American farming. Edwin G. Strand. Bureau of Agricultural Economics. 66 p., illus. (T 966.) Price 20¢.

Marketing margins and costs for poultry and eggs. E. P. Winter. Bureau of Agricultural Economics. 70 p., illus. (T 969.) Price 15¢.

Vegetable-seed storage as affected by temperature and relative humidity. Eben H. Toole, Vivian Kearns Toole, and E. A. Gorman. Bureau of Plant Industry, Soils, and Agricultural Engineering. 24 p., illus. (T 972.) Price 10¢.

OTHER PUBLICATIONS

Bay oil production in Puerto Rico. Norman F. Childers, Pedro Seguinot Robles, and Arnaud J. Loustalot. Federal Experiment Station in Puerto Rico. 32 p., illus. (PRC 30.) Price 15¢ For sale only.¹

Increasing the efficiency of the school lunch kitchen. Bureau of Human Nutrition and Home Economics in cooperation with the Production and Marketing Administration. [23] p., illus. (PA-61.)

Life history, habits, and control of the coconut rhinoceros beetle in Puerto Rico. Harold K. Plank. Federal Experiment Station in Puerto Rico. 35 p., illus. (PRB 45.) Price 15¢. For sale only.¹

Report of the Chief of the Bureau of Dairy Industry, Agricultural Research Administration, 1948. O. E. Reed. 23 p. Price 10¢. For sale only.¹

Report of the Chief of the Office of Experiment Stations, Agricultural Research Administration, 1948. R. W. Trullinger. 22 p. Price 10¢.

Stem rust. Bureau of Entomology and Plant Quarantine. 1 sheet, illus. (PS 23.) Price 5¢.

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PERIODICALS

The agricultural situation. Vol. 32, No. 12. December 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 7, No. 10. October 1948. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.¹

Extension service review. Vol. 19, No. 12. December 1948. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Foreign agriculture. Vol. XII, No. 12. December 1948. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.¹

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— Vol. 77, Nos. 11 and 12. December 1 and 15, 1948. Illus. Contents:

The inheritance of partial thiamine deficiency in *Lenzites trabea* (W. Va.-16.) Virgil Greene Lilly and H. L. Barnett.

A pod-distorting strain of the yellow mosaic virus of bean (Wis.-167.) Raymond G. Grogan and J. C. Walker.

The relation of common mosaic to black rot of bean (Wis.-168.) Raymond G. Grogan and J. C. Walker.

News for farmer cooperatives. Vol. 15, No. 9. December 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 14, Nos. 5 and 6. December 1948–January 1949.

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Soil conservation. Vol. XIV, No. 5. December 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

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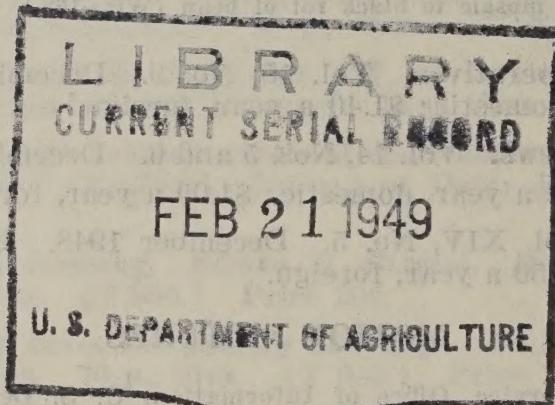
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only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

A STEP-SAVING KITCHEN. 2 reels, 16 mm., sound, color. Running time 14 minutes. Released 1948.

This film shows a modern farm kitchen designed and built by the Bureau of Human Nutrition and Home Economics. The kitchen is designed with a view toward attractiveness and a maximum of efficiency with a minimum of walking, stooping, or bending. It has many new features, but the basic difference between this "U-shaped" kitchen and other modern ones is in the arrangement of work areas. The film shows a demonstration of cooking, dish-washing, and other kitchen work to point up the ease and facility with which all features of the kitchen are utilized. The picture should delight all farm women.

(Available from most Film Libraries—see November issue.)



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